FIG. 1

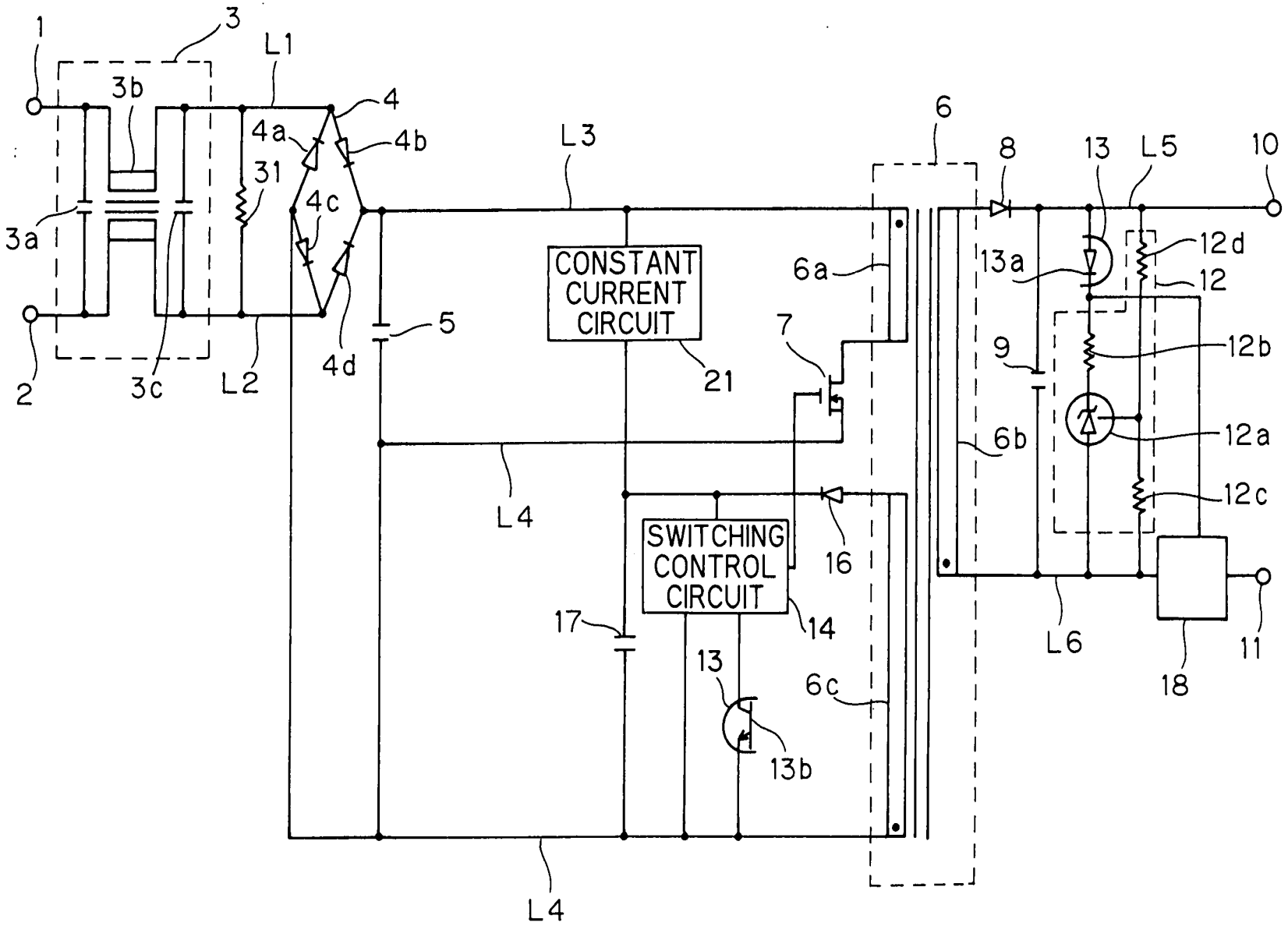

1
3
L1
3b
4
4a
4b
L3
6
8
13
L5
10
31
4c
3a
CONSTANT CURRENT CIRCUIT
6a
13a
12d
12
5
7
9
12b
2
3c
L2
4d
21
6b
12a
L4
SWITCHING CONTROL CIRCUIT
16
12c
17
14
L6
11
13
6c
18
13b
L4

FIG. 2

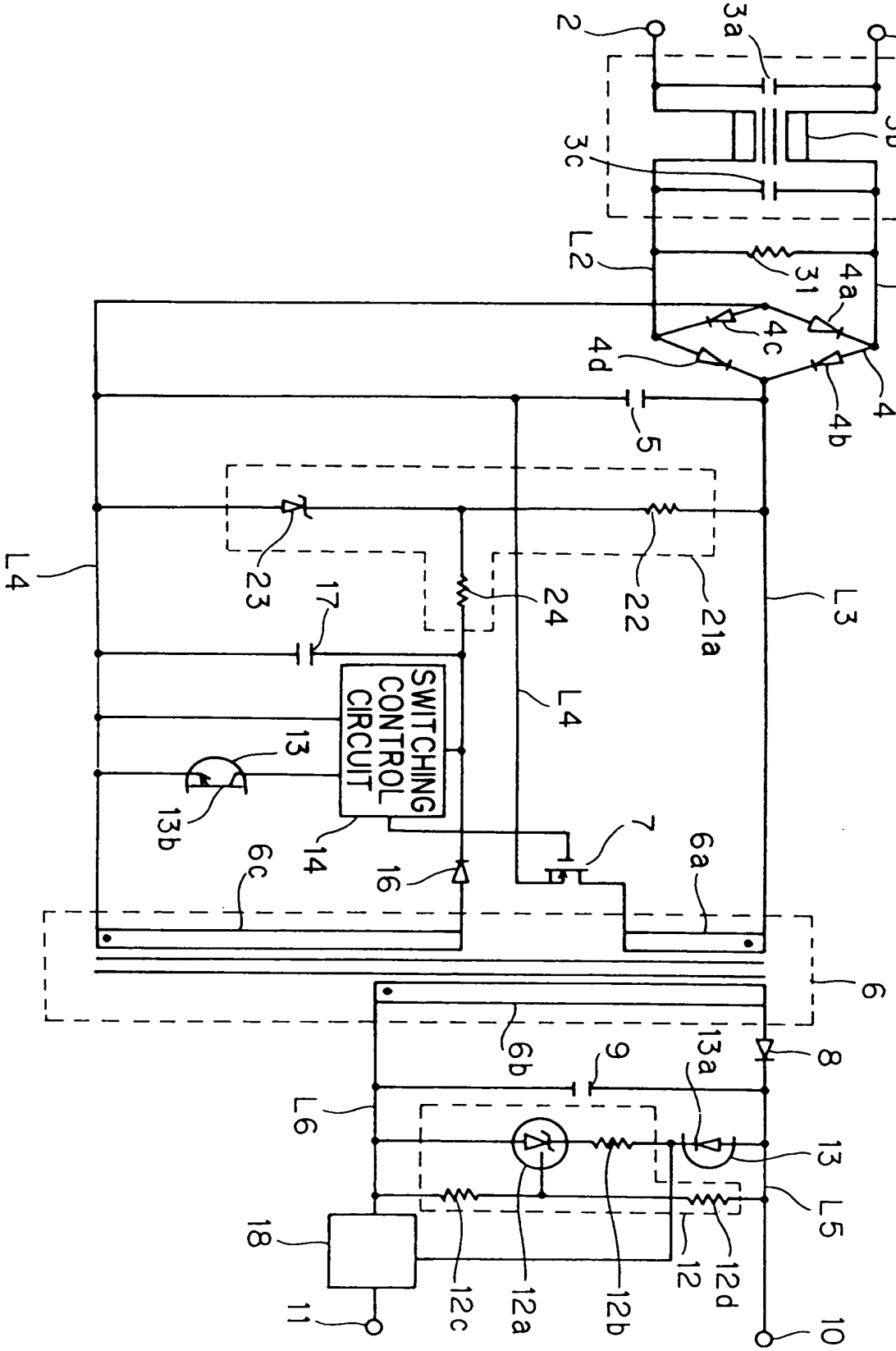

1
2
3a
3b
3c
3
L2
31
4a
L1
4c
4d
4
4b
5
L4
23
22
21a
L3
17
24
SWITCHING CONTROL CIRCUIT
L4
13
13b
14
16
7
6a
6c
6
6b
9
8
13a
L6
13
L5
18
12
12d
12c
12a
12b
11
10

FIG. 3

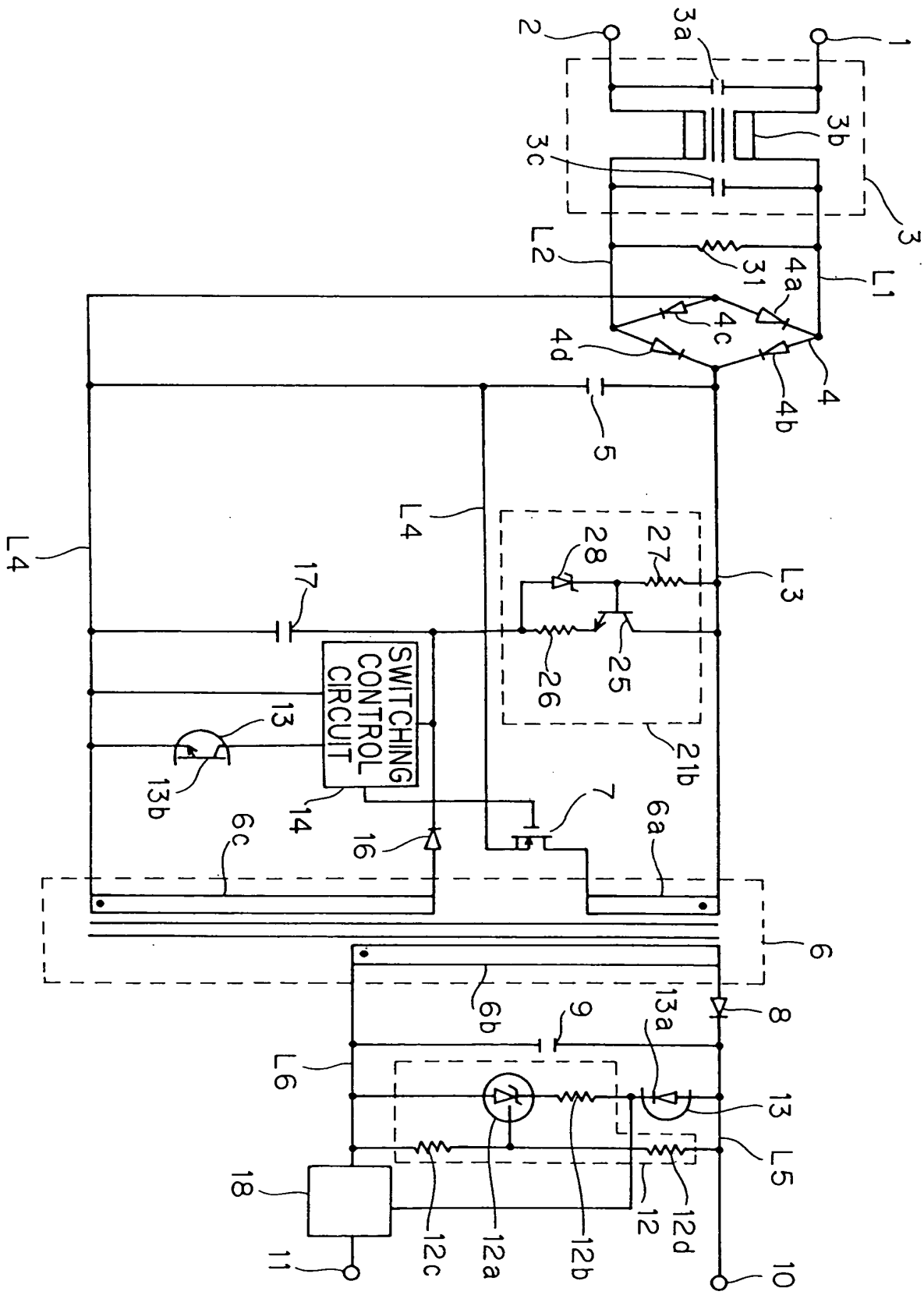

1
2
3a
3b
3c
3
L2
31
4a
L1
4c
4d
4
4b
5
L4
L4
28
27
L3
17
26
25
21b
SWITCHING CONTROL CIRCUIT
13
13b
14
16
7
6a
6c
6
6b
9
8
13a
L6
13
L5
18
12c
12a
12b
12
12d
11
10

FIG. 4

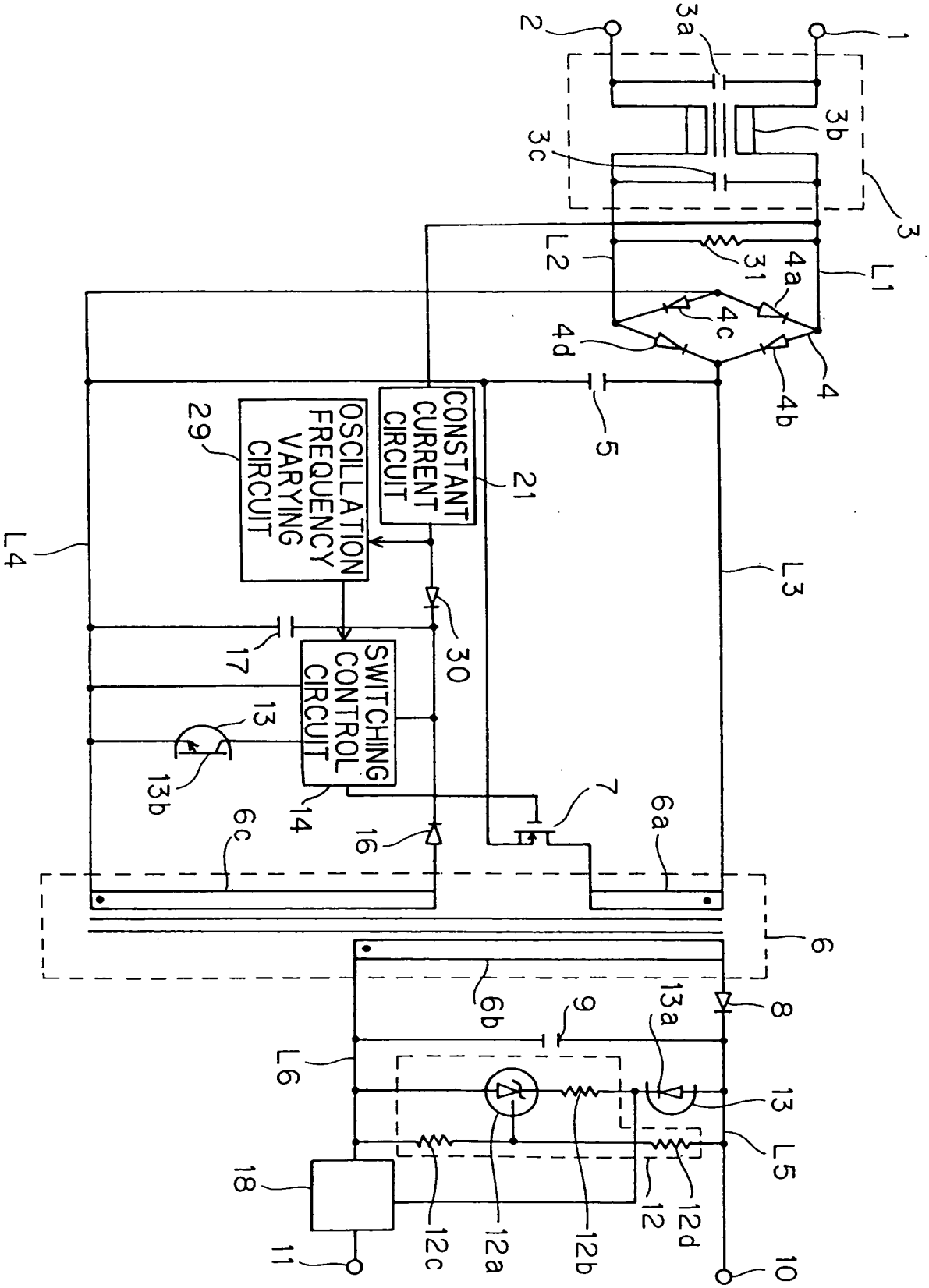

1
2
3a
3b
3c
3
L1
L2
31
4a
4b
4c
4d
4
5
CONSTANT CURRENT CIRCUIT
21
OSCILLATION FREQUENCY VARYING CIRCUIT
29
L3
L4
30
17
SWITCHING CONTROL CIRCUIT
13
13b
14
16
7
6a
6c
6
6b
8
9
13a
L6
13
L5
12
12d
18
12c
12a
12b
11
10

FIG. 5

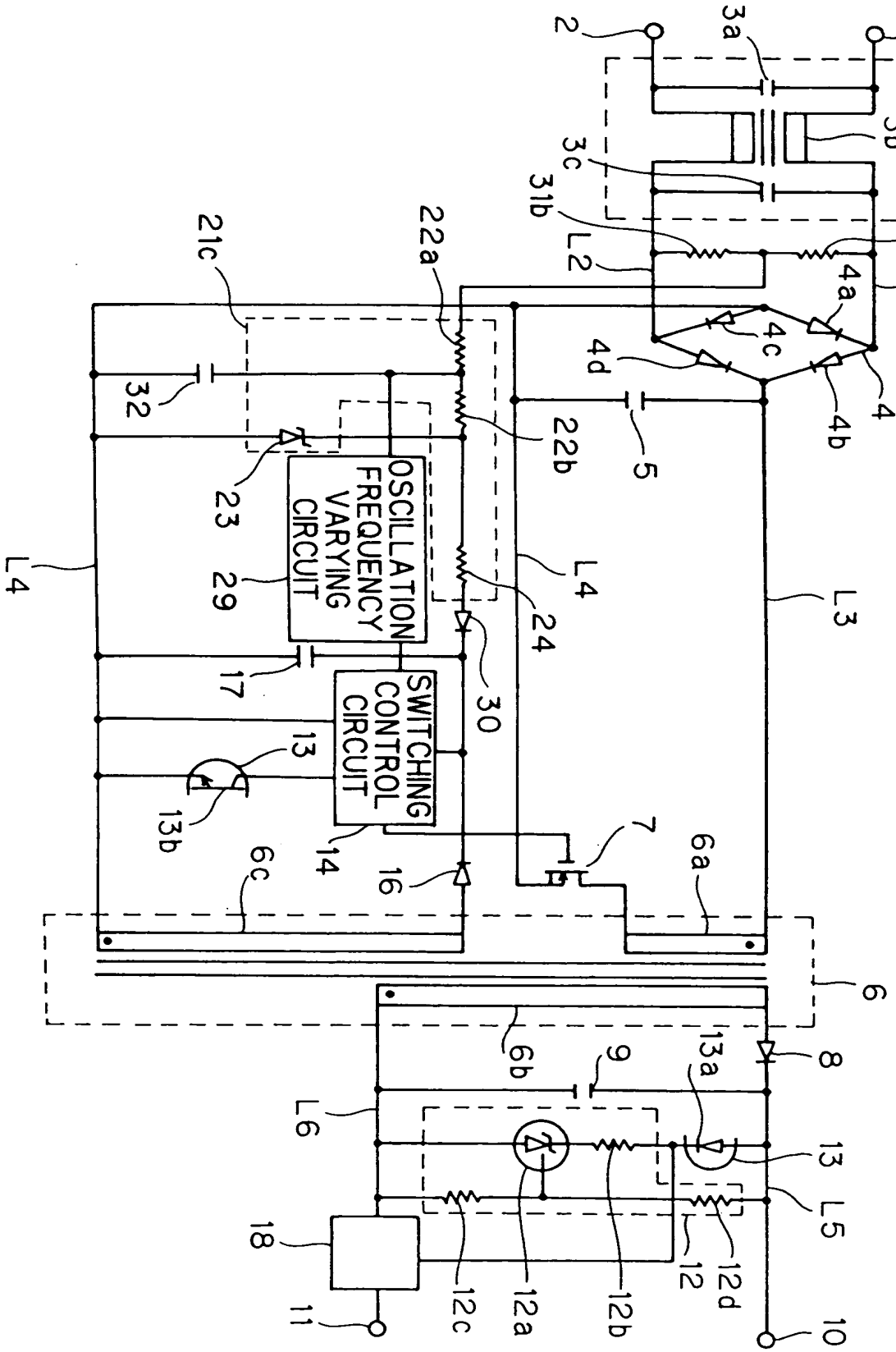

1
2
3
3a
3b
3c
31a
31b
L1
L2
4
4a
4b
4c
4d
5
6
6a
6b
6c
7
8
9
10
11
12
12a
12b
12c
12d
13
13a
13b
14
16
17
18
21c
22a
22b
23
24
29
30
32
L3
L4
L5
L6
OSCILLATION FREQUENCY VARYING CIRCUIT
SWITCHING CONTROL CIRCUIT

FIG. 6

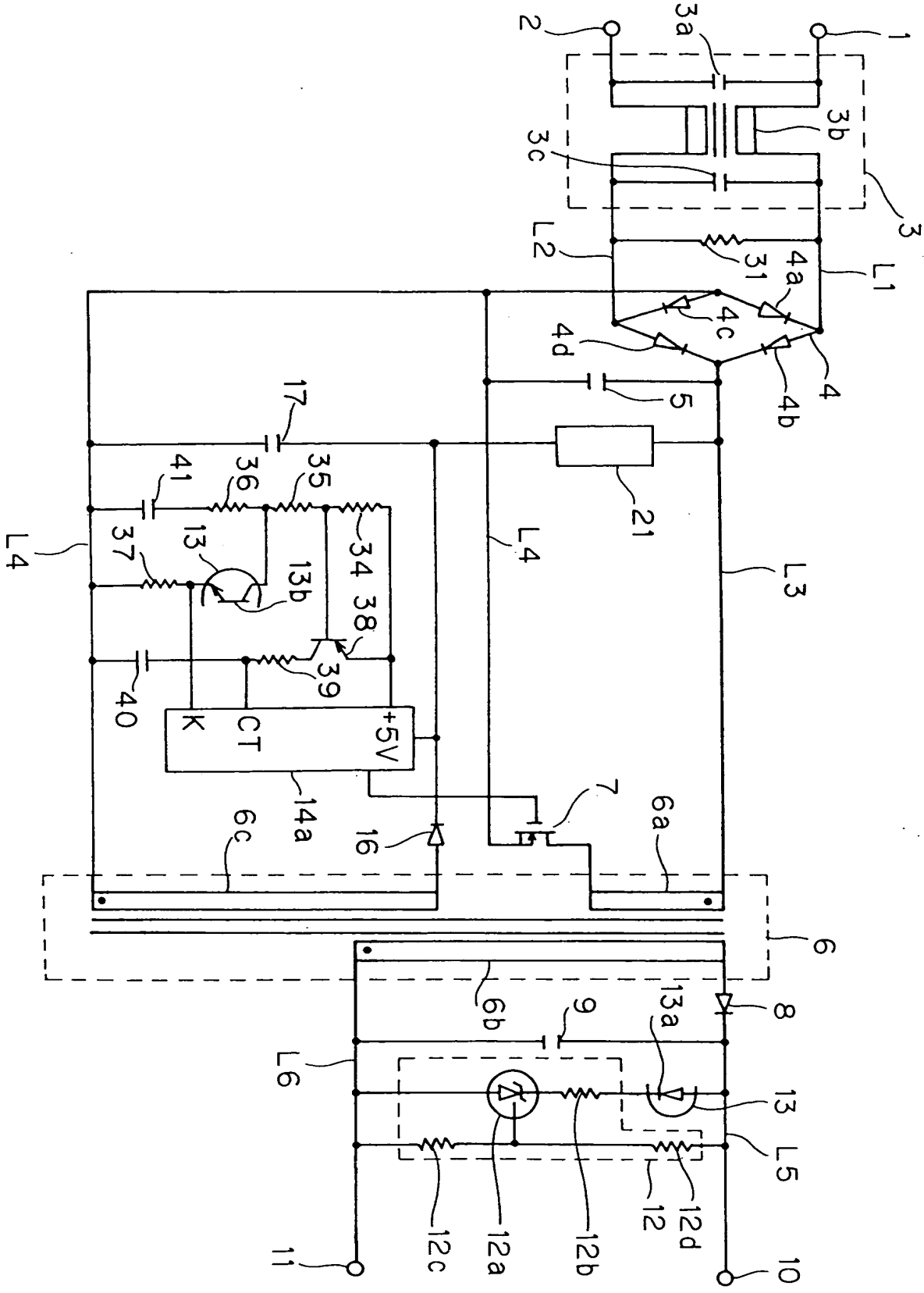

1
2
3
3a
3b
3c
4
4a
4b
4c
4d
5
6
6a
6b
6c
7
8
9
10
11
12
12a
12b
12c
12d
13
13a
13b
14a
16
17
21
31
34
35
36
37
38
39
40
41
L1
L2
L3
L4
L5
L6
K
CT
+5V

FIG.7A

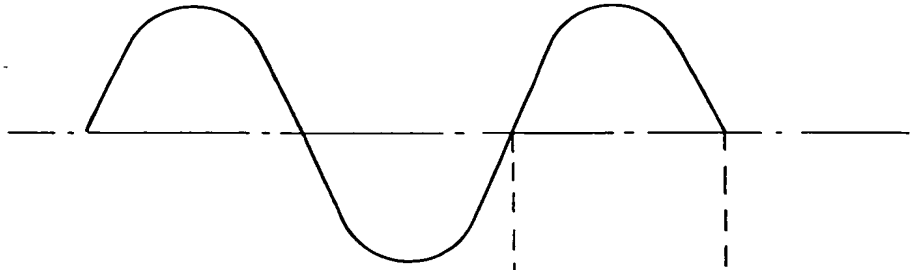


FIG.7B

FIG.7C

FIG. 8A

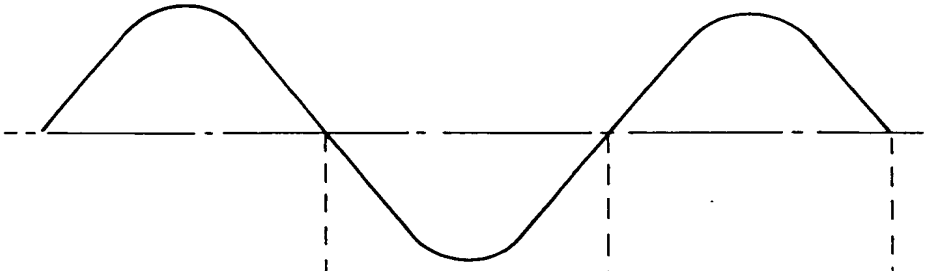


FIG. 8B

FIG. 8C

FIG. 8D

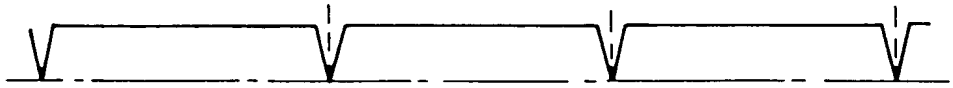


FIG. 8E

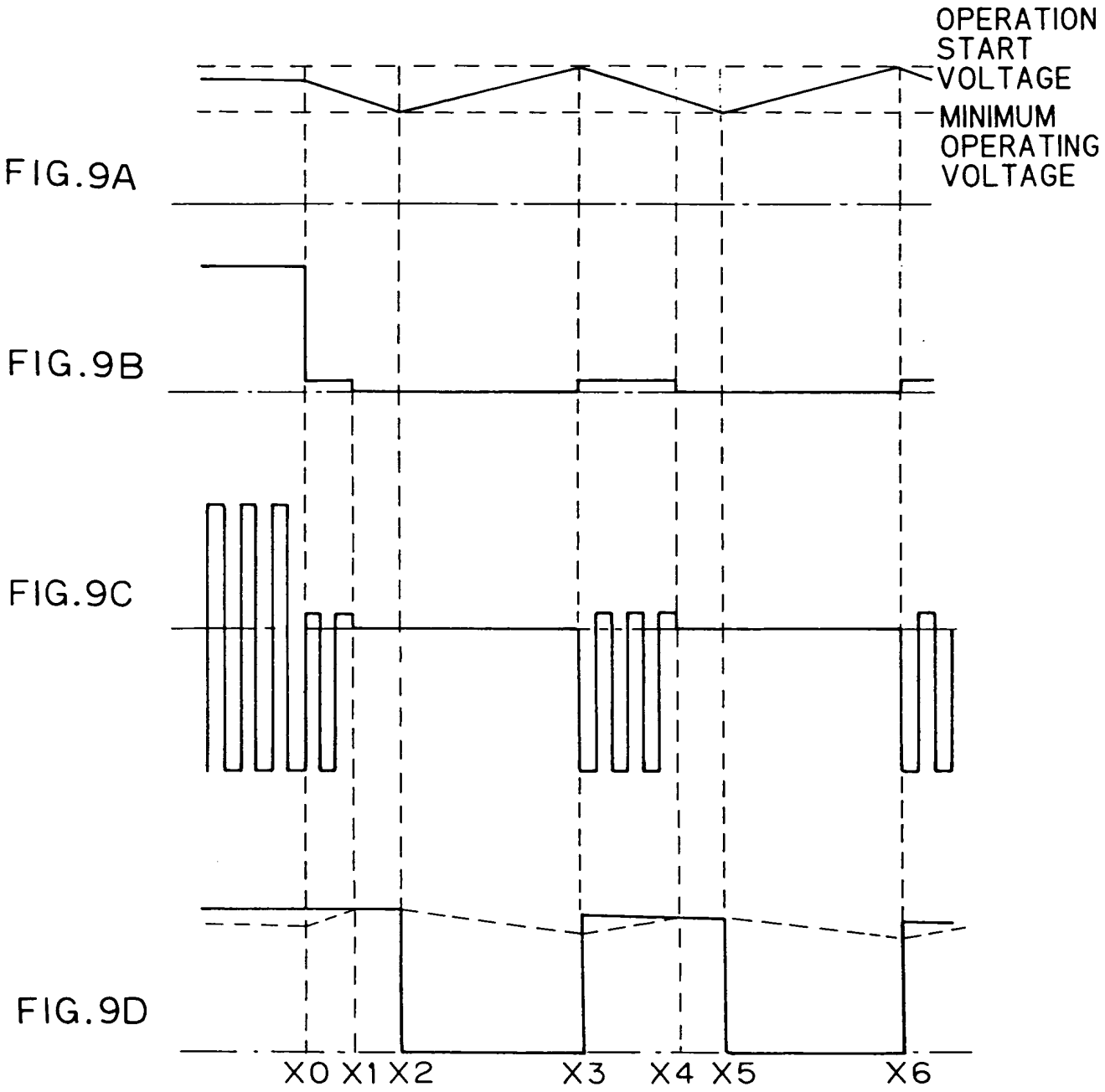
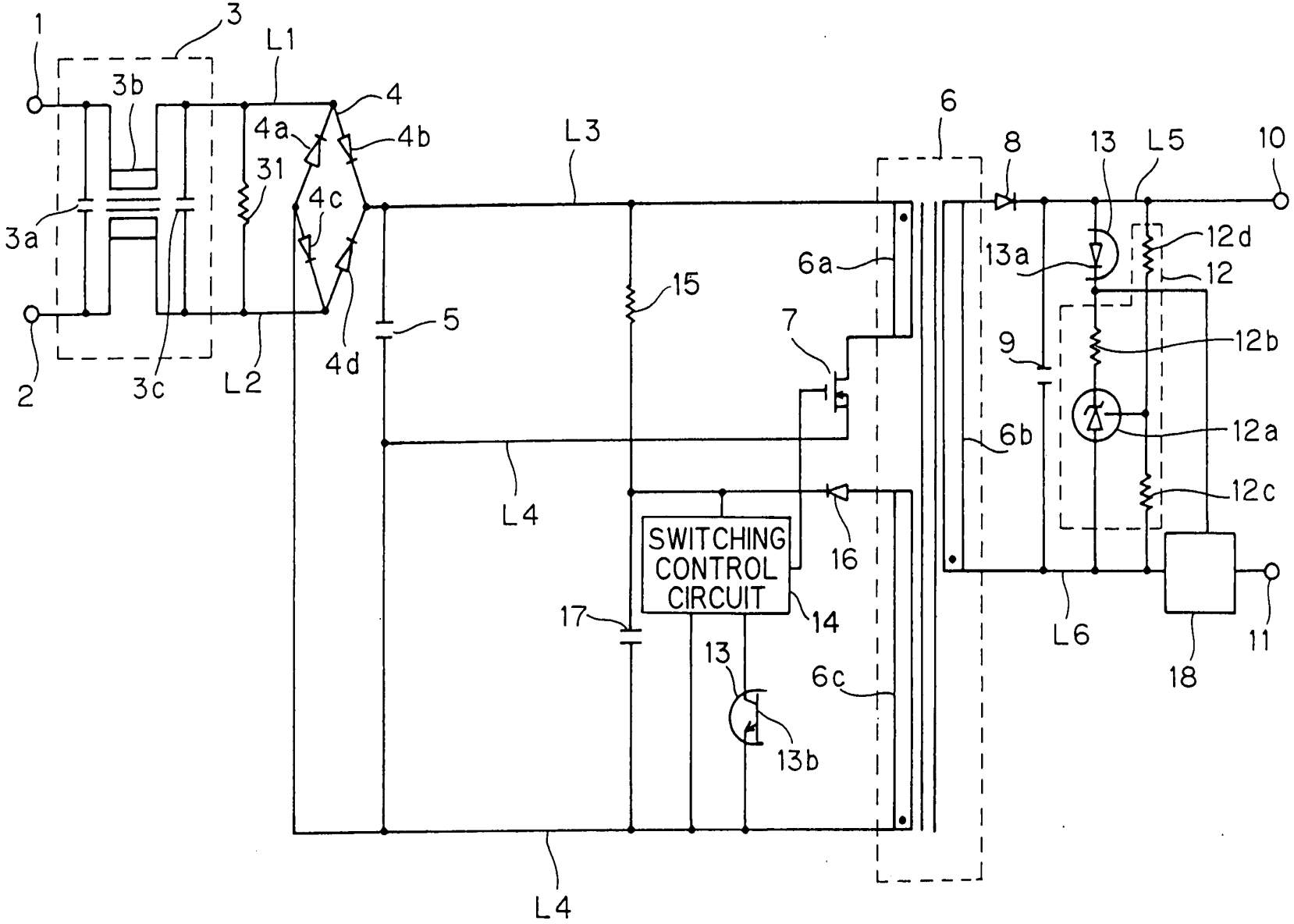

OPERATION START VOLTAGE
MINIMUM OPERATING VOLTAGE
FIG.9A
FIG.9B
FIG.9C
FIG.9D
X0 X1 X2
X3
X4 X5
X6

FIG. 10 PRIOR ART



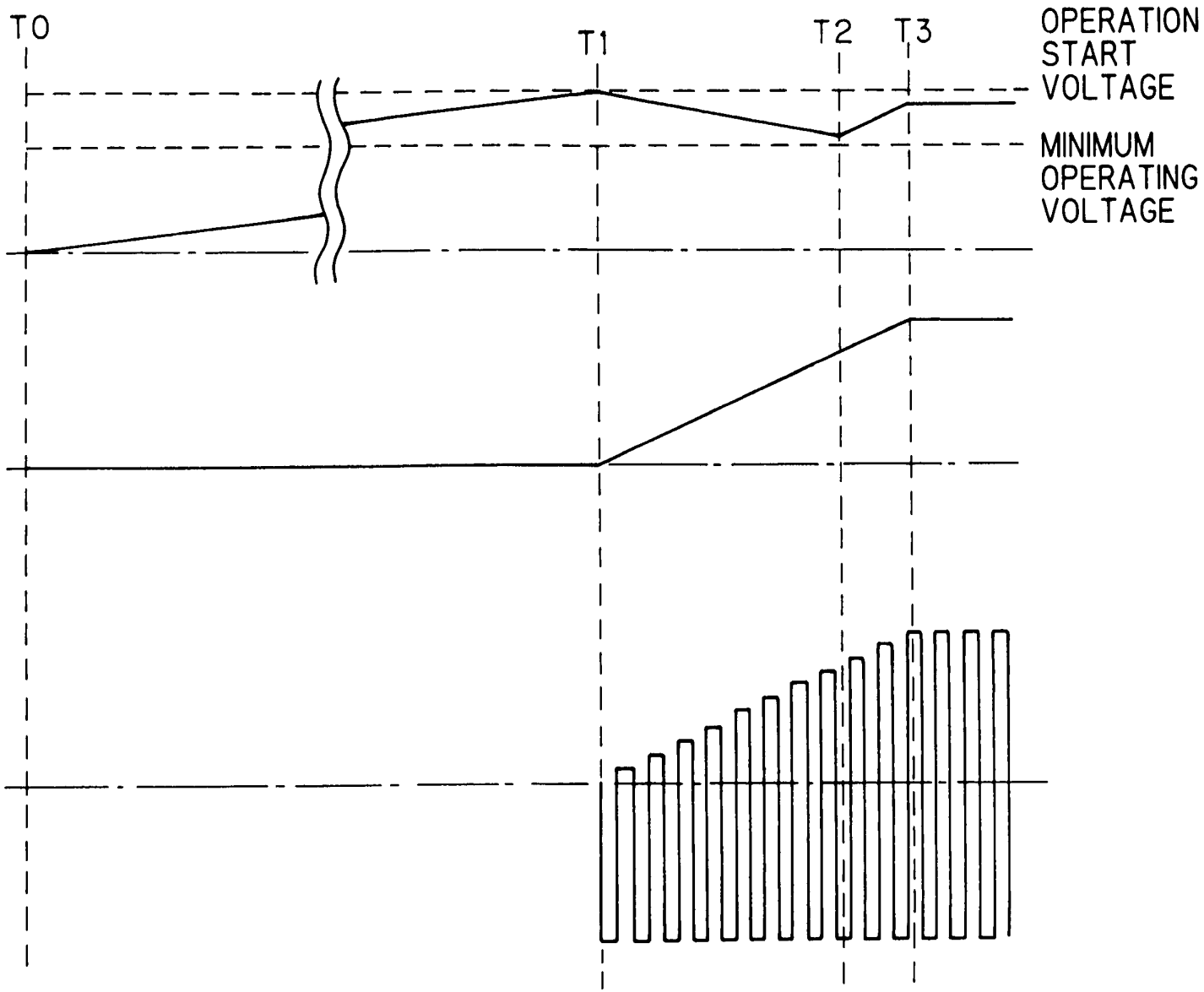


FIG. 11A
PRIOR ART

FIG. 11B
PRIOR ART

FIG. 11C
PRIOR ART

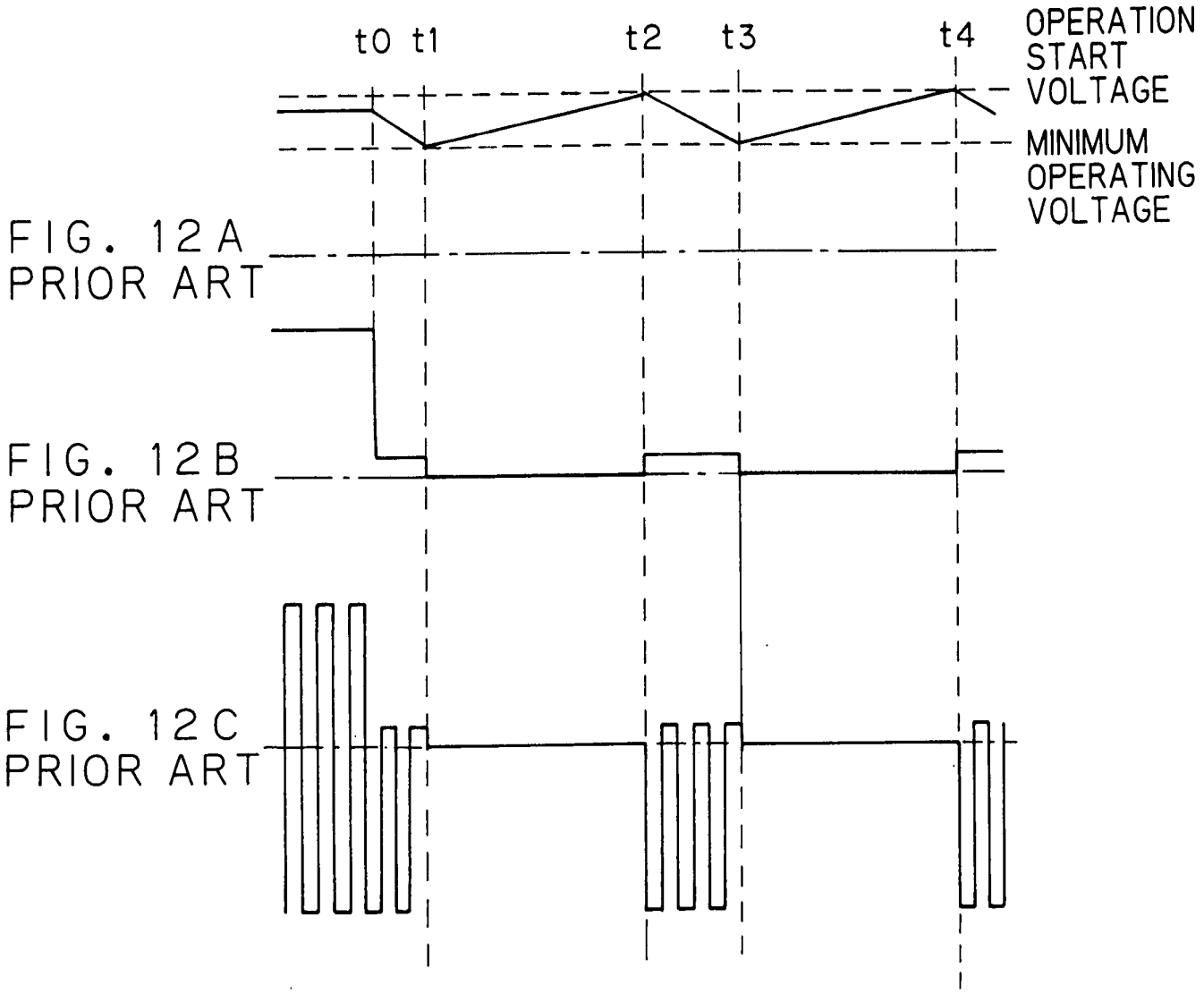


FIG. 12A
PRIOR ART

FIG. 12B
PRIOR ART

FIG. 12C
PRIOR ART